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Pansare et al.(10) **Pub. No.: US 2021/0098928 A1**(43) **Pub. Date: Apr. 1, 2021**(54) **CIRCULAR CONNECTOR INTEGRATED IN
HINGE****H01R 13/405** (2006.01)**H01R 13/52** (2006.01)(71) Applicant: **Apple Inc.**, Cupertino, CA (US)(52) **U.S. Cl.**CPC **H01R 13/502** (2013.01); **H01R 24/60**
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13/5213 (2013.01); **H01R 13/405** (2013.01)(72) Inventors: **Nikhil S. Pansare**, Santa Clara, CA
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ABSTRACT(73) Assignee: **Apple Inc.**, Cupertino, CA (US)(21) Appl. No.: **16/585,471**(22) Filed: **Sep. 27, 2019****Publication Classification**(51) **Int. Cl.****H01R 13/502** (2006.01)**H01R 24/60** (2006.01)

Connector receptacles that can provide a high signal quality or signal integrity to allow high-speed data transfers, can be reliably manufactured, can be durable and have good wear performance, and can be positioned in nonstandard locations in an electronic device. One example can provide connector receptacles that can provide a high signal quality or signal integrity by utilizing a comprehensive grounding scheme. These connector receptacles can be located in a hinge of an electronic device.

